

1 **WHAT IS CLAIMED IS:**

2 1. A stator coil for a radiator fan, the stator coil having at least two enamel wires co-
3 axially wound together, each one of the enamel wires having opposite first and second ends
4 extending out from the stator coil, whereby the first and second ends of the enamel wires can
5 be optionally connected in different connection ways.

6 2. The stator coil as claimed in claim 1, wherein the at least two enamel wires have their
7 first and second ends connected in series, and the stator coil is formed as a uni-coil winding.

8 3. The stator coil as claimed in claim 1, wherein two terminal ends of the stator coil are
9 respectively adapted to be connected with two output ends of a drive IC, which outputs
10 alternating current at terminal ends of the stator coil.

11 4. The stator coil as claimed in claim 3, wherein the drive IC is a bridge driver
12 TA7291P/S.

13 5. The stator coil as claimed in claim 1, wherein the at least two enamel wires have their
14 first and second ends connected in parallel, and the stator coil is formed as a uni-coil winding.

15 6. The stator coil as claimed in claim 5, wherein two terminal ends of the stator coil are
16 respectively connected with two output ends of a drive IC, which outputs alternating current
17 at terminal ends of the stator coil.

18 7. The stator coil as claimed in claim 6, wherein the drive IC 7is a bridge driver
19 TA7291P/S.